

INDENT FOR STRUCTURAL DESIGN TO IDRB			
REGULATOR cum BRIDGE			
1*	Name of work		
2*	Date		
3*	IP address		
A	General Details and Location of Work		
1*	Location		
2*	Latitude		
3*	Longitude		
4*	Name of river/stream		
5*	Altitude from mean sea level		
6*	District		
7*	Taluk		
8*	Assembly constituency		
9*	Village		
10*	Panchayath/Municipality/Corporation		
B	Details of Officials Furnishing the Indent		
1*	Assistant Engineer	Office	
		Name	
2*	Assistant Executive Engineer	Office	
		Name	
3*	Executive Engineer	Office	
		Name	
4*	Superintending Engineer	Office	
		Name	
5*	Chief Engineer	Office	
		Name	
C	General		
1	What arrangements exist for crossing the river at present		
a*	During monsoon		
b*	During dry season		
2	Has earth quake ever occurred in the region of the bridge site		
3	Allowable bearing capacity of the strata at the foundation level by conducting SPT		
D	Nature of Stream		
1	Is the stream		
2	Flow nature of the stream		
a*	If tidal level of	high tide	

		low tide	
3*	Average Bed level		
4*	Bed slope		
5	Low water level		
6*	High flood level		
7	Ordinary flood level		
8	Bank level	Right	
		Left	
9*	Maximum flood discharge		
10	Whether lock is required		
a*	If yes		
11	Other than State and National Highway		
a*	If yes,length of the vehicles likely to ply through the lock		
b*	length of the vehicles likely to ply through the lock		
c*	length of the vehicles likely to ply through the lock		
12	Are large scale river training works required?		
a	Course of the stream for sufficient distance u/s and d/s of the bridge		
b	Contour Survey plan of the bed of the river both on the u/s and d/s of the bridge extending to a distance beyond the location of the proposed guide banks or any other plans considered necessary for the appreciation of the proposal for the protective works		
13	Is the proposed alignment of the bridge skew/normal to the stream		
a*	If skew give the angle of skew		
E	Super Structure		
1*	Loading for the bridge to be designed for class A,class AA,tractor way etc		
2*	Proposed clear road width over the bridge		
3*	Whether double line or single line		
4	Proposed width of foot paths if necessary		
5	Levels of approach roads		

6	Proposed formation level of the road over the bridge at the center	
F	Foundations	
1	Types of foundations recommended	
G	Details of Each of the Existing Bridges	
1	Are there any bridges existing on the stream 500m u/s or d/s	
a*	Whether double line or single line	
2	Bottom level of the deck slab	
H	Details of Shutter	
1*	Full reservoir level required	
2	Types of shutter	
I	Check List	
1*	Plan showing the location of the borings and reduced levels at the proposed bridge site. All the boreholes should be at pier points and taken atleast 1m (10m to 15m intervals) down the rock	
2*	Location map	
3*	Site plan	
4*	Cross section of the river both u/s and d/s of the bridge for a distance of 0.5Km at 30 m interval on either side of the structure	
5	Contour Survey plan	
6*	Longitudinal section(1500m u/s to 1500m d/s)	
7*	Proposal drawing of the bridge showing the general arrangement on the cross section at the site with all important levels,details of foundation,substructure	
8 *	Detailed soil investigation report with bore hole details,specifying all soil parameters of foundation,vertical and lateral load carying capacity of the pile with diameter and specific recommendation of soil consultant	
9*	Scheme report giving details of scope of work,AS etc	

(*) Indicated fields are mandatory

